

I claim:

1. A method for converting binary image data at a first resolution to binary image data at a second resolution, the method comprising:
5 detecting a plurality of edges of the binary image data;
sampling a corresponding point substantially near each of the edges;
fitting a curve between the sampled points; and
re-sampling the curve at the second resolution.
- 10 2. The method of claim 1, wherein the first resolution is less than the second resolution.
3. The method of claim 1, wherein the first resolution is greater than the second resolution.
- 15 4. The method of claim 1, wherein the first resolution is an integer multiple of the second resolution.
5. The method of claim 1, wherein the first resolution is a non-integer multiple
20 of the second resolution.
6. The method of claim 1, wherein sampling further comprises sampling at substantially the midpoint of each of the edges.
- 25 7. The method of claim 1, wherein fitting a curve further comprises consecutively connecting a plurality of straight line segments between each of the sampled points.
8. The method of claim 1, wherein re-sampling further comprises comparing a
30 value of the curve with a midpoint of a square at the second resolution.